

Marco Mezzavilla

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

1,947
citations

1040056

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1372567

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all docs

32
docs citations

32
times ranked

1619
citing authors

#	ARTICLE	IF	CITATIONS
1	Network-Aware 5G Edge Computing for Object Detection: Augmenting Wearables to "See" More, Farther and Faster. IEEE Access, 2022, 10, 29612-29632.	4.2	7
2	What Will the Future of UAV Cellular Communications Be? A Flight From 5G to 6G. IEEE Communications Surveys and Tutorials, 2022, 24, 1304-1335.	39.4	94
3	Generative Neural Network Channel Modeling for Millimeter-Wave UAV Communication. IEEE Transactions on Wireless Communications, 2022, 21, 9417-9431.	9.2	12
4	What Positioning Accuracy is Sufficient for Reliable mmWave A2G Channel Measurements?. , 2022, , .		0
5	Drone Detection and Classification Based on Radar Cross Section Signatures. , 2021, , .		21
6	Lightweight UAV-based Measurement System for Air-to-Ground Channels at 28 GHz. , 2021, , .		13
7	Millimeter-Wave UAV Coverage in Urban Environments. , 2021, , .		7
8	Understanding Energy Efficiency and Interference Tolerance in Millimeter Wave Receivers. , 2021, , .		1
9	Multi-Array Designs for mmWave and Sub-THz Communication to UAVs. , 2020, , .		15
10	Power Consumption Analysis for Mobile MmWave and Sub-THz Receivers. , 2020, , .		58
11	Enabling Remote Whole-Body Control with 5G Edge Computing. , 2020, , .		5
12	Performance Assessment of Off-The-Shelf Mm Wave Radios for Drone Communications. , 2019, , .		5
13	Millimeter Wave Remote UAV Control and Communications for Public Safety Scenarios. , 2019, , .		20
14	End-to-End Simulation of 5G mmWave Networks. IEEE Communications Surveys and Tutorials, 2018, 20, 2237-2263.	39.4	295
15	Public Safety Communications above 6 GHz: Challenges and Opportunities. IEEE Access, 2018, 6, 316-329.	4.2	40
16	An Efficient Uplink Multi-Connectivity Scheme for 5G Millimeter-Wave Control Plane Applications. IEEE Transactions on Wireless Communications, 2018, 17, 6806-6821.	9.2	43
17	A 3GPP NR Compliant Beam Management Framework to Simulate End-to-End mmWave Networks. , 2018, , .		8
18	User Association in 5G mmWave Networks. , 2017, , .		19

#	ARTICLE	IF	CITATIONS
19	Agile Radio Resource Management Techniques for 5G New Radio. , 2017, 55, 62-63.		11
20	Hybrid Spectrum Sharing in mmWave Cellular Networks. IEEE Transactions on Cognitive Communications and Networking, 2017, 3, 155-168.	7.9	53
21	Achieving Ultra-Low Latency in 5G Millimeter Wave Cellular Networks. , 2017, 55, 196-203.		128
22	Frame Structure Design and Analysis for Millimeter Wave Cellular Systems. IEEE Transactions on Wireless Communications, 2017, 16, 1508-1522.	9.2	61
23	Improved Handover Through Dual Connectivity in 5G mmWave Mobile Networks. IEEE Journal on Selected Areas in Communications, 2017, 35, 2069-2084.	14.0	253
24	ns-3 Implementation of the 3GPP MIMO Channel Model for Frequency Spectrum above 6 GHz. , 2017, , .		31
25	mmWave for future public safety communications. , 2017, , .		2
26	Transport layer performance in 5G mmWave cellular. , 2016, , .		73
27	Multi-connectivity in 5G mmWave cellular networks. , 2016, , .		78
28	Initial Access in 5G mmWave Cellular Networks. , 2016, 54, 40-47.		243
29	Initial Access in Millimeter Wave Cellular Systems. IEEE Transactions on Wireless Communications, 2016, 15, 7926-7940.	9.2	143
30	Resource sharing in 5G mmWave cellular networks. , 2016, , .		42
31	An MDP model for optimal handover decisions in mmWave cellular networks. , 2016, , .		50
32	Comparative analysis of initial access techniques in 5G mmWave cellular networks. , 2016, , .		116